

Abstract

An automatic culture apparatus for culturing cells or a tissue with a biological origin in a culture container which is placed in a box-type culture apparatus having a closed and aseptic inner space, characterized in that a plural number of divided spaces, a gas incubator provided with a practicable window, a unit for supplying a liquid culture medium and a unit for discharging the same, a unit for monitoring the culture conditions, and a transferring unit for continuously or intermittently transferring the culture container toward these units are provided in the box of the culture apparatus, and at least one of the above-described units is equipped with an instruction controlling unit by which the culture apparatus is controlled under an instruction in the form of an electrical signal depending on a data signal generated by the culture condition-monitoring unit so as to prevent cross-contamination.